

**St. Patrick's Junior College, Agra**  
**Half Yearly Syllabus for 2025**

**CLASS 6**

**ENGLISH LANGUAGE**

- 1.The Sentence**
- 2.Subject and Predicate**
- 3.Kinds of Nouns**
- 4.. Nouns: Number**
- 5.Nouns: Gender**
- 6.Adjectives**
- 7.Adjectives: Degrees of Comparison**
- 8.Article**
- 9.Pronouns**
- Essay Writing, Letter Writing (Informal)**
- Notice Writing**
- Comprehension passage**

**ENGLISH LITERATURE**

- 1.Nicobobinus**
- 2.All Out(poem)**
- 3.The Ransom of Red Chief**
- 4. The Toy -Box**
- 5.The Echoing Green (poem)**
- Novel-Ch 1- 6**

**SCIENCE**

**PHYSICS**

- Chapter 2- Physical Quantities and Measurement**  
**Chapter 3- Force**

**CHEMISTRY**

- Chapter 1- Introduction To Chemistry**  
**Chapter 2- Common Laboratory Apparatus and Equipment.**  
**Chapter 3- Matter**

## **BIOLOGY**

**Chapter 2- The Flower**

**Chapter 3- The Cell**

**Chapter 4- Digestive System**

## **MATHEMATICS**

**1. Number System**

**2. Operations On Whole Number**

**3. Integers**

**4. Fractions**

**8. Ratio And Proportion**

**9. Unitary Method**

**10. Percentage**

**12. Fundamental Concepts Of Algebra**

**14. Fundamental Geometrical Concepts**

**15. Angles**

**16. Triangles**

**24. Data Handling**

**25. Graphical Representation of Data**

## **History & Civics**

### **HISTORY**

**Chap1.River Valley Civilizations-I**

**Chap2.River Valley Civilizations-II**

**Chap3.The Vedic Civilization**

**Chap4.Buddha and Mahavira- Great preachers**

### **CIVICS**

**Chap1.The Rural Local Self-Government**

## **GEOGRAPHY**

**1.Representation of Geographical features**

**2.Landforms**

**3. Water bodies (Oceans and Seas)**

**4.Water bodies (lakes and rivers)**

**Map work: World Physical**

## **COMPUTER**

**Ch 1 Computer Categories and Language**

**Ch 2 File Management: Organizing Data**

**Ch 3 Tables in Word**

**Ch4 Mail Merge in Word**

**Ch 6 Game Creation in Scratch**

**Ch 7 Introduction to HTMLs**

## **HINDI**

**अध्याय - 4,5,6,7,8,9,10 ( संपूर्ण अभ्यास कार्य )**

**व्याकरण भाग-7,8,9,10**

**( संपूर्ण अभ्यास कार्य )**

**शब्द भंडार -**

**निबंध**

## **SANSKRIT**

**अध्याय- 7,8,9,10,11 ( संपूर्ण अभ्यास कार्य )**

**शब्द रूप- छात्र, राम**

**धातु रूप -गम् ( जाना ) वर्तमान काल**

## **GENERAL KNOWLEDGE**

**Chp-1 to 25**

**Current Affairs - June to August**

## **ART**

**1-Still Life**

**2-Fruits**

**3-Vegetables**

**4- Tree**

## **CLASS 7**

### **ENGLISH LANGUAGE**

- 1.The Sentence**
- 2.Nouns**
- 3.Adjectives**
- 4.Articles**
- 5.Verbs**
- 6.Verbs:Expressing The Present**
- 7.Verbs:Experssing The Past**
- 8.Verbs:Expressing The Future**
- 9.Active And Passive Voice**
- Informal Letter Writing**
- Notice Writing**
- Essay Writing**
- Reading Comprehension**

### **English Literature**

- 1.Light in The Night**
- 2.January Night**
- 3.The Story of An Invitation**
- 4.Evening on A Mountain (Poem)**
- 5.The Naming of Cats (Poem)**

**NOVEL: Macbeth**

## **PHYSICS**

- 1. Physical Quantities And Measurement (Class Test).**
- 2. Motion (Unit Test)**
- 3. Energy**
- 4. Light Energy**

## **CHEMISTRY**

- 1. Matter (Class Test)**
- 2. Physical & Chemical Changes (Unit Test)**
- 3. Elements, Compounds and Mixtures**
- 4. Atomic Structure**

## **BIOLOGY**

**Ch 1 : Plant and Animal Tissues**

**Ch 2 : Classification Of Plants**

**Ch 6 : Nervous System**

**Ch 7 : Allergy**

## **MATHEMATICS**

- 1. Integers (Class Test)**
- 2. Probability (Class Test)**
- 3. Fraction**
- 4. Decimals**
- 5. Ratio and Proportion**
- 6. Unitary Method**
- 7. Percentage**
- 8. Profit and Loss**
- 9. Algebraic Expression**
- 10. Linear Equations**
- 11. Fundamental Geometrical Concept**
- 12. Lines & Angles**
- 13. Properties of Triangle**
- 14. Data Handling (Unit Test)**

## **HISTORY & CIVICS**

### **HISTORY**

**Chap1.Medieval Europe-Rise and Spread of Christianity**

**Chap2.Rise and Spread of Islam**

**Chap4.Delhi Sultanate-1**

**Chap5. Delhi Sultanate-2**

**Chap6.Vijayanagar And Bahmani Kingdoms**  
**CIVICS**

**Chap1- The Constitution of India**

**GEOGRAPHY**

**Chap1.Representation of Geographical Features**

**Chap2 Atmosphere**

**Chap3.Weather and Climate**

**Chap4.Weathering and Soil Formation**

**Chap6.Energy and Power Resources**

**Chap7(A) Study Of Continents (Europe And Africa)**

**COMPUTER**

**CH 1 COMPUTER HARDWARE**

**CH 2 NUMBER SYSTEM**

**CH 3 COMPUTER VIRUSES**

**CH 5 SPREADSHEET: AN INTRODUCTION**

**CH 8 HTML5: IMAGES, LINKS AND FORMS**

**HINDI**

अध्याय 4.चीफ की दावत 5. खुशी लुटाते है त्योहार 6.पुरानी किताब 7.वीरता  
का सम्मान 8.पूस  
की रात 9. रानी दुर्गावती 10. विजेता कौन।  
व्याकरण- शब्द-रचना - उपसर्ग , भाववाचक संज्ञा सर्वनाम  
शब्द-भण्डार-विलोम शब्द, पर्यायवाची,लिंग,वचन  
सम्पूर्ण एकार्थक, अनेकार्थक वाक्यांश के लिए एक शब्द श्रुतिसमभिन्नार्थक , निबंध  
1-15 तक मुहावरे

**SANSKRIT**

अध्याय- 7,8,9,10, 11( संपूर्ण अभ्यास कार्य )

शब्द रूप- हरि

धातु रूप -'भू ' ( वर्तमान काल )

## **GENERAL KNOWLEDGE**

**Chp-1 to 25**

**Current Affairs - June to August**

### **ART**

**1-Rose Flower**

**2-Fruit Composition**

**3-Still Life**

**4-Lady Bug on Leaf**



## **CLASS 8**

### **ENGLISH LANGUAGE**

- 1.Articles and Determiners**
- 2.Verbs: Expressing the Present**
- 3.Verbs: Expressing the Past**
- 4.Verbs: Expressing the Future**
- 5.Verbs: Modals**
- 6.Subject Verb Agreement**
- 7.Active and Passive Voice**
- Informal Letter Writing**
- Notice Writing**
- Essay Writing**
- Reading Comprehension**

### **ENGLISH LITERATURE**

- 1.A Shot in The Dark**
- 2.When I Learned Astronomer**
- 3.Where the Mind Is Without Fear (Poem)**
- 4.The Adventure of The Dying Detective**
- 5.The World-Renowned**

**Nose**

**NOVEL: Merchant of Venice**

### **PHYSICS**

- 1. Matter (Class Test)**
- 2. Physical Quantities And Measurement (Unit Test)**
- 3. Force & Pressure**
- 4. Energy**

## **CHEMISTRY**

- 1.Matter (C.T)**
- 2.Physical and Chemical Changes (Ut 1)**
- 3.Elements, Compounds and Mixtures (Ut 1)**
- 4.Atomic Structure**
- 5.Language of Chemistry**
- 6.Chemical Reactions**

## **Biology**

- Ch 1: Transport in Plants**
- Ch 2 : Reproduction in Plants**
- Ch 5 : Endocrine System and Adolescence**
- Ch 7 : Nervous System**
- Ch 8 : Diseases and First Aid**

## **Mathematics**

- 1.Rational Numbers**
- 2.Exponents and Powers**
- 3.Squares and Square Roots, Cubes and Cube Roots.**
- 4.Fundamental Concepts and Operations on Algebraic Expression.**
- 5.Percentage**
- 6.Ratio and Proportion**
- 7.Quadrilaterals**
- Three Dimensional Solids**
- 8.Perimeter and Area**
- 9.Statistics**
- 10.Graphical Representation**
- 11.Algebraic Identities**
- 12.Coordinate System and Linear Graphs**

## **HISTORY & CIVICS**

### **HISTORY**

- 1.A Period of Transition**
- 2 The Age of Revolutions**
- 3.The American Civil War (1861-1865)**
- 4.The Eighteenth Century India**
- 5.Traders to Rulers**
- 6.Impact of British Rule in India (Education, Transport, Communication and Arts)**

## **CIVICS**

- 1.The Legislature**
- 2.The Executive**
- 3.The Indian Judiciary**

## **GEOGRAPHY**

- Chap1.Representation of Geographical Features**
- Chap2.Population Dynamics**
- Chap3-Migration**
- Chap5-Natural and Man-made Disasters**
- Chap6-Asia- The Largest Continent**

## **COMPUTER**

- Ch 1 Role of Os And Gui**
- Ch 2 Functions and Charts In Excel**
- Ch 3 Algorithms and Flowcharts**
- Ch 4 Working with Bluej**
- Ch 5 Conditional Statements in Java**

## **HINDI**

**Term 1** अध्याय 4. मेरे बचपन के दिन । 5.भारत के पक्षी अभयारण्य  
6 .कृष्ण की चेतावनी।7 .तीर्थ यात्रा।8 .ईर्ष्या , तू न गयी मेरे मन से।  
व्याकरण - शब्द रचना - उपसर्ग  
शब्द-भण्डार, संज्ञा,संज्ञा के विकारी तत्व - लिंग,वचन व कारक,  
सर्वनाम, विशेषण, निबंध

## **Sanskrit**

अध्याय 6,7,8,9,10(सम्पूर्ण अभ्यास कार्य)  
संधिः,कारक-विभक्ति-परिचयः,  
शब्दरूपाणि - ' राजन '  
धातुरूपाणि -' स्था ' वर्तमान काल ,भविष्य काल

## **GENERAL KNOWLEDGE**

- Chapters 1 to 23**
- Current events from April 2025 to September 2025**

## **ART**

- 1. Landscape**
  - 2. Object Drawing**
  - 3. Card Making**
  - 4. Lotus Flower**
- And**  
**Book Pages 1 To 44**

**CLASS 9**  
**ENGLISH LANGUAGE**

- 1.Composition Writing**
- 2.Letter Writing**
- 3.Notice Writing**
- 4.Email Writing**
- 5.Comprehension Writing**
- 6.Grammar Exercises**

**ENGLISH LITERATURE**  
**CLASS TEST:**

**The Night Mail**  
**Bonku Babu's Friend**

**UNIT TEST:**

- 1.The Night Mail**
- 2.The Doctor's Journal Entry of August 6,1945**
- 3.Bonku Babu's Friend**
- 4.Oliver Asks for More**

**HALF YEARLY:**

- 1.The Night mail**
- 2.The Doctor's Journal entry**
- 3.Skimblehanks: The Railway cat**
- 4.Bonku Babu's Friend**
- 5.Oliver Asks for More**
- 6.The Model Millionaire**
- Julius Caesar Act 1**

**PHYSICS**

- 1.Measurement and Experimentation,**
- 2.Motion in One Dimension,**
- 3.Laws of Motion,**
- 4.Fluids (Pressure and Up Thrust).**

**CHEMISTRY**

- 1. Language of Chemistry (Class Test)**
- 2. Chemical Changes & Reactions. (Unit test 1)**
- 3. Water**
- 4. Atomic Structure and Chemical Bonding**

## **5. The Periodic Table**

## **BIOLOGY**

- 1. Introducing Biology**
- 2. Cell: The Unit of Life**
- 3. Tissues: Plant and Animal Tissues**
- 4. The Flower**
- 5. Pollination and Fertilization**
- 6. Seeds-- Structure and Germination**
- 7. Respiration in Plants**
- 8. Five kingdom Classification**
- 9. Economic importance of bacteria and fungi**
- 10. Nutrition**
- 11. Digestive System**

## **MATHEMATICS**

- 1.Trigonometrical Ratios**
- 2.Expansions**
- 3.Factorisation**
- 4.Triangles**
- 5.Mid-Point Theorem**
- 6.Simultaneous Equations**
- 7.Problems On Simultaneous Equations**
- 8.Pythagoras Theorem**
- 9.Co-Ordinate Geometry**
- 10.Rational And Irrational Numbers**

## **HISTORY & CIVICS**

## **HISTORY**

- 1. Harappan Civilization**
- 2. The Vedic Period**
- 3. Jainism and Buddhism**
- 4. The Mauryan Empire**
- 5. The Sangam Age**
- 6. Golden Age the Guptas**
- 7. Medieval India: South India and the Chola**
- 8. Medieval India: The Delhi Sultanate**

**9. The Mughal Empire**

**10. Composite Culture: The Sufi and Bhakti Movement**

**11. Modern Age in Europe: The Renaissance**

## **CIVICS**

**1. Our Constitution**

**2. Basic features of the Constitution**

**3. Fundamental Rights and Duties**

**4. Directive Principles of State Policy**

**5. Elections**

## **GEOGRAPHY**

**1. Earth as a Planet**

**2. Geographic Grid Latitudes and Longitude**

**3. Rotation and Revolution**

**4. Earth's structure**

**5. Landforms of the Earth**

**6. Rocks**

**7. Volcanoes**

**8. Earthquakes**

**9. Weathering**

**10. Denudation**

**11. Hydrosphere**

**12. Composition and Structure of Atmosphere**

**13. Insolation**

**14. World Maps also included**

## **COMPUTER**

**Ch1: Principles of Object oriented programming**

**Ch 2: Introduction to Java**

**Ch 3: Elementary concepts of objects and classes**

**Ch 4: Values and data types**

**Ch 9: Iterative constructs in Java**

**Ch 10: Nested Loops**

## **HINDI**

**Term 1 .1** महायज्ञ का पुरस्कार, **2.** नेता जी का चश्मा , **3 .** गिरधर की कुंडलियां **4.** स्वर्ग बना सकते हैं।

व्याकरण- तदभव,तत्सम,पर्यायवाची,पत्र,अपठित गधांश तथा निबन्ध ।

## **ECONOMICS**

**Ch-1 Meaning of Definition of Economics**

**Ch-2 Basic economic entities in an economy**

**Ch-3 Basic problems of an economy**

**Ch-4 Types of Economies**

**Ch-5 Characteristics of Indian economy**

**Ch-6 Main sectors of Indian economy-Agriculture**

**Ch-13 Globalization**

## **HOME SCIENCE**

**Unit 1 Concept and Scope of Home Science**

**Unit 2 Food and Health and Nutrients and Their Functions.**

**Unit 3. Growth and Development.**

**Unit 4. Colour And It's Application**



## **Class 10**

### **ENGLISH LANGUAGE**

- 1.Composition Writing**
- 2.Letter Writing**
- 3.Notice Writing**
- 4.Email Writing**
- 5.Comprehension Writing**
- 6.Grammar Exercises**

### **ENGLISH LITERATURE**

#### **UNIT TEST:**

- 1.With the photographer**
- 2.The Elevator**
- 3.Haunted Houses**
- 4.The Glove and the Lions**

### **HALF YEARLY / PRE-BOARD 1**

- 1.Haunted Houses**
- 2.The Glove and The Lions**
- 3.When Great Trees Fall**
- 4.With the Photographer**
- 5.The Elevator**
- 6.The Girl Who Can**

### **PHYSICS**

- 1.Force, Work, Energy and Power,**
- 2.Machines,**
- 3.Refraction of Light through plane and curved (lenses) surfaces,**
- 4.Refraction of Light through Prism and Dispersion.**
- 5.Eletromagnetic Spectrum,**
- 6.Sound Waves.**

## **Chemistry**

- 1. Periodic Table**
- 2. Chemical Bonding**
- 3. Acid, Bases and Salt ( Unit Test)**
- 4. Analytical Chemistry**
- 5. Mole Concept**
- 6. HCl**
- 7. HNO<sub>3</sub>**
- 8. H<sub>2</sub>SO<sub>4</sub>**
- 9. NH<sub>3</sub>**

## **Biology**

- Ch-2. Structure of Chromosomes, Cell Cycle and Cell Division.**
- Ch-3. Genetics- Some Basic Fundamentals.**
- Ch-4. Absorption by Roots- The Processes Involved.**
- Ch-5. Transpiration.**
- Ch-6. Photosynthesis.**
- Ch-7. Chemical Coordination in Plants.**
- Ch-9. Excretory System.**

**Ch-12. The Endocrine System.**

**Ch-16. Pollution- A Rising Environmental Problem.**

## **Mathematics**

**1.Trigonometrical Identities**

**2. Trigonometric Tables**

**3. Heights and Distances.**

**4. Banking**

**5.GST**

**6. Shares and dividends**

**7. Linear Inequations**

**8. Similarity**

**9. Circles**

**10. Measure of Central Tendency**

**11. Probability**

**12. Quadratic Equations**

**13.Factorisation**

**14.Ratio and Proportion**

**15.Matrices**

**16.Arithmetic and Geometric Progression**

## **Geography**

**A. Syllabus for Class Test-1 iv) Climate of India**

**B. Unit Test v) Soil resources**

**vi) Natural Vegetation**

**4. Climate of India**

**5. Soil Resources in India**

**6. Natural Vegetation**

**7. Water Resources**

**8. Mineral and Energy Resources-I  
9. Mineral and Energy Resources-II**

**10. Agriculture in India -I: Introduction**

**11. Agriculture in India-II : Food crops**

**Chapter 1 to 2 will be done as part of ordnance survey map practice (toposheet)**

**Chapter 3, Location extent and Physical features ( Maps only) Entire Ordnance Survey Map is part of Half-yearly examination**

## **History and civics**

### **i) Growth of Nationalism**

### **ii) The Union Parliament**

#### **1. The First War of Independence 2. Growth of Nationalism**

#### **3. First Phase of Indian Nationalism**

#### **4. Second Phase of Indian Nationalism**

#### **5. The Muslim League**

#### **6. Mahatma Gandhi and the National Movement**

#### **7. Quit India Movement**

#### **8. Forward Bloc and the INA**

#### **9. Independence and Partition of India**

#### **10. The First War of Independence**

## **Civics**

### **1. The Union Parliament**

### **2. The President and the Vice President**

### **3. Prime Minister and the Council of Ministers**

## **Computer**

**Ch1: Introduction to Object oriented programming concepts**

**Ch 2: Elementary concepts of objects and classes**

**Ch 3: Values and data types**

**Ch 4: Operators in Java**

**Ch 5: Input in Java**

**Ch 6: Mathematical Library Methods**

**Ch 7: Conditional constructs in Java**

**Ch 8: Iterative constructs in Java**

**Ch 9: Nested Loops**

**Ch 10: Class as the basis of all computation**

**Ch 11: User defined methods**

**Ch 15: Arrays**

**Ch 16: String handling**

## **Hindi**

**Term 1** 4 दो कलाकार, 5 चलना हमारा काम है। 6 बात अठन्नी की। 7 साखी 8 सूर के पद

व्याकरण उपसर्ग, प्रत्यय, अनेकाथीँ, विलोम शब्द, पत्र, अपठित गद्यांश तथा निबंध।

## **Economics**

**Ch-1 Elementary Theory of Demand**

**Ch-2 Elasticity of Demand**

**Ch-3 Theory of Supply**

**Ch-4 Factors of Production**

**Ch-5 Nature and Structure of Markets**

**Ch-10 Inflation**

## **Class 11**

### **English Language**

**1.Composition Writing**

**2.Proposal Writing**

**3.Review Writing**

**4.Comprehension Writing**

**5.Grammar Exercises**

### **English Literature**

#### **Class Test :**

**1. A Living God**

#### **UNIT TEST :**

**1. Advice to Youth**

**2. Abhisara - The Tryst**

#### **HALF YEARLY :**

**1. A Living God**

**2. Advice to Youth**

**3. The Paper Menagerie**



**4. Abhisara - The Tryst**

**5. Why I Like the Hospitals**

**6. Sonnet 116**

## **DRAMA**

**Macbeth Act 1 only**

## **Commerce**

1. Classification of human activities-Economic and Non-Economic
2. Nature and the Objectives of Business(Class Test)
3. Classification of Business Activities(Unit Test 1)
4. Sole Trader
5. Partnership
6. Joint Stock Company
7. Types of Companies
8. Formation of Company
9. Public Enterprises, Public Utilities, and Public-Private Partnerships
10. Cooperative Organisation

## **Physics**

**1.Physical World and Measurement,**

**2.Kinematics,**

**3.Laws of Motion,**

**4.Work, Energy and Power,**

**5.Rigid Body Motion,**

**6.Gravitation.**

## **Chemistry**

- 1. Some basic concepts of Chemistry**
- 2. Structure of atom**
- 3. Classification of elements and periodicity in properties**
- 4. Chemical Bonding and Molecular Structure**
- 5. Thermodynamics**

## **Biology**

- 1. The Living World**
- 2. Biological Classification**
- 3. Plant Kingdom**
- 4. Animal Kingdom**
- 5. Morphology of Flowering Plants**
- 6. Anatomy of Flowering Plants**
- 7. Animal Tissues, Morphology and Anatomy of Frog**
- 8. Cell: The Unit of Life**
- 10. Cell Cycle and Cell Division**

## **Mathematics**

- 1. Trigonometry**
- 2. Complex Number**
- 3. Linear and Quadratic Inequalities**
- 4. Straight Lines**
- 5. Circles**
- 6. Limits and Derivatives**
- 7. Sequence and Series**

## **Computer**

**Unit 1 BASIC COMPUTER HARDWARE AND SOFTWARE**

**Unit 2 INTRODUCTION TO OBJECT ORIENTED  
PROGRAMMING USING JAVA**

## **Hindi**

शरणागत, बाल लीला, एक फूल की चाह, आषाढ़ का एक दिन अंक(एक) मुहावरे  
**1 - 50** अशुद्ध शुद्ध **1 - 50** अपठित गद्यांश, निबंध।

### **U T. 2**

सती, आःधरती कितना देती है, मुहावरे **(51-100)** अशुद्ध **(51 - 100)**

## **Economics**

1. .Definition of Economics (ClassTest)
2. Basic Concepts Of Economics(Unit Test 1)
3. Basic Problems Of an Economy (Unit Test 1)
4. Types of Economy
5. Solutions to the Basic Economic Problem under different Economic Systems
6. Economic Growth and Development
7. Parameters of Development
8. Measures of Central Values

## **Accounts**

**Unit test 1**

**Journal**

**Ledger**

**Half yearly**

**Journal**

**Ledger**

**Trial balance**

**Simple Cash book**

**Petty Cash book**

**Depreciation**

**Final account without adjustments**

## **Home Science**

**Unit 1 Concept and scopes of Home Science**

**Unit 2 Food and Nutrition**

**Unit 3 Resource Management**

**Unit 4.Food Storage and Preservation**

## **Class 12**

### **English Language**

**1.Composition Writing**

**2.Proposal Writing**

**3Directed Writing I**

**4.Comprehension Writing**

**5.Grammar Exercises**

### **English Literature**

#### **UNIT TEST:**

**1.The Cookie Lady**

**2.Telephone Conversation**

#### **HALF YEARLY/PRE BOARD 1:**

**1.Atithi**

**2.The Cookie Lady**

**3.There will come soft rains**

**4. Telephone Conversation**

**5. Tithonus**

**6. Beethoven**

## **DRAMA**

### **Macbeth Act III and IV**

## **Commerce**

1. Business Environment (Class Test)
2. Capital Fixed and Working (Unit Test 1)
3. Sources of Finance For A Joint Stock Company (Unit Test 1)
4. Banking Latest Trends
5. Management Meaning, Nature and Importance
6. Principles of Management
7. Functions of Management and Coordination
8. Planning
9. Organising

## **Accounts**

### **Class test**

**Balance sheet of company**

### **First unit test**

**Common size statement**

**Comparative statement**

**Half yearly (1<sup>st</sup> pre board)**

**Shares**

**Debentures (issue and redemption)**

**Common size statement**

**Comparative statement**

**Cash flow statement**

**Balance sheet of company**

## **Physics**

- 1.Ray Optics,**
- 2.Wave Optics,**
- 3.Static Electricity,**
- 4.Current Electricity.**

## **Chemistry**

- 1.solutions**
- 2.Electrochemistry**
- 3.Haloalkanes and Haloarenes**
- 4.Alcohols Phenols and Ethers**
- 5.d and f block elements**
- 6.coordination compounds**

## **Biology**

- 2. Sexual Reproduction in Flowering Plants**
- 3. Human Reproduction**
- 4. Reproductive Health**
- 5. Principles of Inheritance and Variation**
- 7. Origin of Life**
- 8. Evolution**

## **9. Evolution of Man**

## **10. Human and Diseases**

### **Mathematics**

#### **1. Inverse Trigonometric Functions**

#### **2. Continuity and Differentiability**

#### **3.Indefinite Integrals**

#### **4.Relation and Functions**

#### **5. Matrices**

#### **6. Determinants**

#### **7.Application and Derivatives**

#### **8.Maxima and Minima**

#### **9.Definite Integrals**

#### **10.Differential Equations.**

### **Computer**

#### **Ch 1: Boolean Algebra**

#### **Ch 2: Computer Hardware**

#### **Ch 3: Implementation of Algorithms**

#### **Ch 4: Objects and Classes**

#### **Ch 6: statements and scope**

#### **Ch 7: string manipulations**



**Ch 8: Arrays**

**Ch 9: Methods**

**Ch 10: Constructors**

**Ch 11: Recursion**

**Ch 12 Inheritance**

**STACKS Queues and Trees**

### **Hindi**

भक्तिन, क्या निराश हुआ जाए, जाग तुझको दूर जाना है, उद्यमी नर, आषाढ़ का एक दिन (अंक 2) अशुद्ध शुद्ध 150 -- 200, मुहावरे 152 - 200 अपठित गद्यांश, निबंध।

PRE -- BOARD. 1

दासी, संस्कृति क्या है?, बादल को घिरते देखा है, अंधेरे का दीपक, जाग तुझको दूर जाना है, उद्यमी नर, क्या निराश हुआ जाए, भक्तिन,

व्याकरण

अशुद्ध - शुद्ध( संपूर्ण )मुहावरे( संपूर्ण) अपठित गद्यांश, निबंध।

### **Economics**

1. Demand and Law of Demand(Class Test )
2. Theory of Consumer Behaviour Marginal Utility and Indifference Curve(Unit Test 1)
3. Elasticity of Demand (Unit Test 1)
4. Supply Law of Supply and Price Elasticity of Supply
5. Market Mechanism Equilibrium Price and Equilibrium Quantity in a Competitive Market
6. Laws of Returns Return to a Factor and Returns to Scale
7. Cost and Revenue Analysis
8. Forms of Market

**9. Producer's Equilibrium**

**10. Determination of Equilibrium Price and Output Under Perfect Competition**

**11. Theory of Income and Employment**

## **Home Science**

**Unit 1 Principles and advanced methods of cooking.**

**Unit 2 Clinical Dietary treatment ( therapeutic diets)**

**Unit 3. Meal planning( principles of meal services and different styles of table settings)**

**Unit 4 Resource Management ( money management)**

**Unit 5. Consumer Education and protection.**